ABSTRACT

The invention relates to a method of producing carbon fibers characterized by oxidative-polymerizing a compound having an aromatic ring to obtain a fibril-shaped polymer and firing the fibril-shaped polymer in a non-oxidizing atmosphere, a novel catalyst structure using the carbon fibers obtained by this method, a membrane electrode assembly for a solid polymer fuel cell using the catalyst structure, and a solid polymer fuel cell provided with the membrane electrode assembly for the solid polymer fuel cell.